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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the Application. Deletions are strikethrough and additions are underlined.

1. (Previously presented) A purified extract isolated from Cucurbitaceae family plant prepared by the steps consisting of:

adding about 1 to 25 fold volume of a polar protic solvent to dried material of Curcubitaceae family plant, wherein said Cucurbitaceae family plant is selected from the group consisting of pumpkin (*Cucurbita moschata* DUCH), water-melon (*Citrullus vulgaris* SCHRAD), sponge gourd (*Luffa cylindrical* L. ROEM), gourd (*Lagenaria siceraria* STANDL. var. depressa HERA), and cucumber (*Cucumis sativus* L),

heating the polar protic solvent to a temperature in the range from 20° C to 100° C for a time period in the range from 30 min to 24 hours,

extracting the plant to obtain plant extract,

filtering and drying the extract with reduced pressure to obtain polar protic solvent soluble extract of the plant;

suspending said polar protic solvent soluble extract with water and subjecting fractionation with hexane, chloroform, ethylacetate, butanol solvent with increasing order of polarity to obtain respective organic solvent-soluble fraction;

subjecting said chloroform-soluble fraction to silica gel column chromatography with a solvent mixture of hexane: chloroform: methanol (16:15:1) to obtain 11 sub-fractions;

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subjecting 9th faction among said sub-fractions to repetitive silica gel column chromatography with a solvent mixture of chloroform: methanol and HPLC to obtain purified extract designated to "cmc-9" having TLC spectrum as shown in Fig. 18.

- 2. (Previously presented) A pharmaceutical composition comprising the extract of Cucurbitaceae family plant or the purified extract of claim 1 as an active ingredient in an effective amount to obtain a beneficial result selected from the group consisting of inhibition of accumulation of adipocytes, inhibition of accumulation of triglycerides, reduction of body weight, treatment of and prevent-obesity and treatment of adipogenesis-involved diseases.
- 3. (Canceled)
- 4. (Previously presented) The pharmaceutical composition of claim <u>1</u>3, wherein said Cucurbitaceae family plant is selected from pumpkin (*Cucurbita moschata* DUCH), water melon (*Citrullus vulgaris* SCHRAD), and sponge gourd (*Luffa cylindrical* L. ROEM).
- 5. (Previously presented) The pharmaceutical composition of claim 2, wherein said extract of Cucurbitaceae family plant is extracted from the stem or leaf thereof.
- 6. (Previously presented) The pharmaceutical composition of claim 2, wherein said obesity and adipogenesis-involved diseases is selected from the group consisting of obesity, type II diabetes, steatosis, hyperlipemia, cardiovascular disease, and artherosclerosis.
- 7. (Previously presented) The pharmaceutical composition of claim 2, wherein said extract is selected from the group consisting of crude extract and non-polar solvent soluble extract.
- 8. (Previously presented) The pharmaceutical composition of claim 2, wherein said extract is hot-water soluble extract.

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9. (Previously presented) The pharmaceutical composition of claim 7, wherein said non-polar solvent is selected from the group consisting of hexane, chloroform, dichloromethane, and ethylacetate.

- 10. (Previously presented) The pharmaceutical composition of claim 9, wherein said non-polar solvent is chloroform.
- 11. (Previously presented) The pharmaceutical composition of claims 2, wherein the pharmaceutical composition contains about $0.02 \sim 90\%$ by weight of the extract based on the total weight of the pharmaceutical composition.
- 12. (Previously presented) A health care food comprising a crude extract, non-polar solvent soluble extract of Cucurbitaceae family plant, wherein said Cucurbitaceae family plant is selected from the group consisting of pumpkin (*Cucurbita moschata DUCH*), water-melon (*Citrullus vulgaris SCHRAD*), sponge gourd (*Luffa cylindrical L. ROEM*), gourd (*Lagenaria siceraria STANDL.* var. depressa HERA), and cucumber (*Cucumis sativus L*), or cmc-9 extract of claim 1, together with a sitologically acceptable additive for the prevention and alleviation of obesity and adipogenesis-involved diseases.
- 13. (Previously presented) The health care food of claim 12, wherein said food is heath care beverage.
- 14. (Previously presented) The purified extract isolated from Cucurbitaceae family plant of Claim 1, where the polar protic solvent is selected from the group consisting of distilled water, lower alcohol, methanol, ethanol, butanol and mixtures thereof.